

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054289.D
 Acq On : 15 Mar 2019 4:33
 Operator : JC/SP
 Sample : K1892-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GARAGE-FLOOR

Quant Time: Mar 15 07:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1308661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2156314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2256593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	897029	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	696840	50.14	ug/l	0.00
Spiked Amount						
			Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	659666	47.43	ug/l	0.00
Spiked Amount						
			Recovery	=	94.86%	
50) Toluene-d8	10.09	98	2681569	52.21	ug/l	0.00
Spiked Amount						
			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.40	95	990937	55.14	ug/l	0.00
Spiked Amount						
			Recovery	=	110.28%	

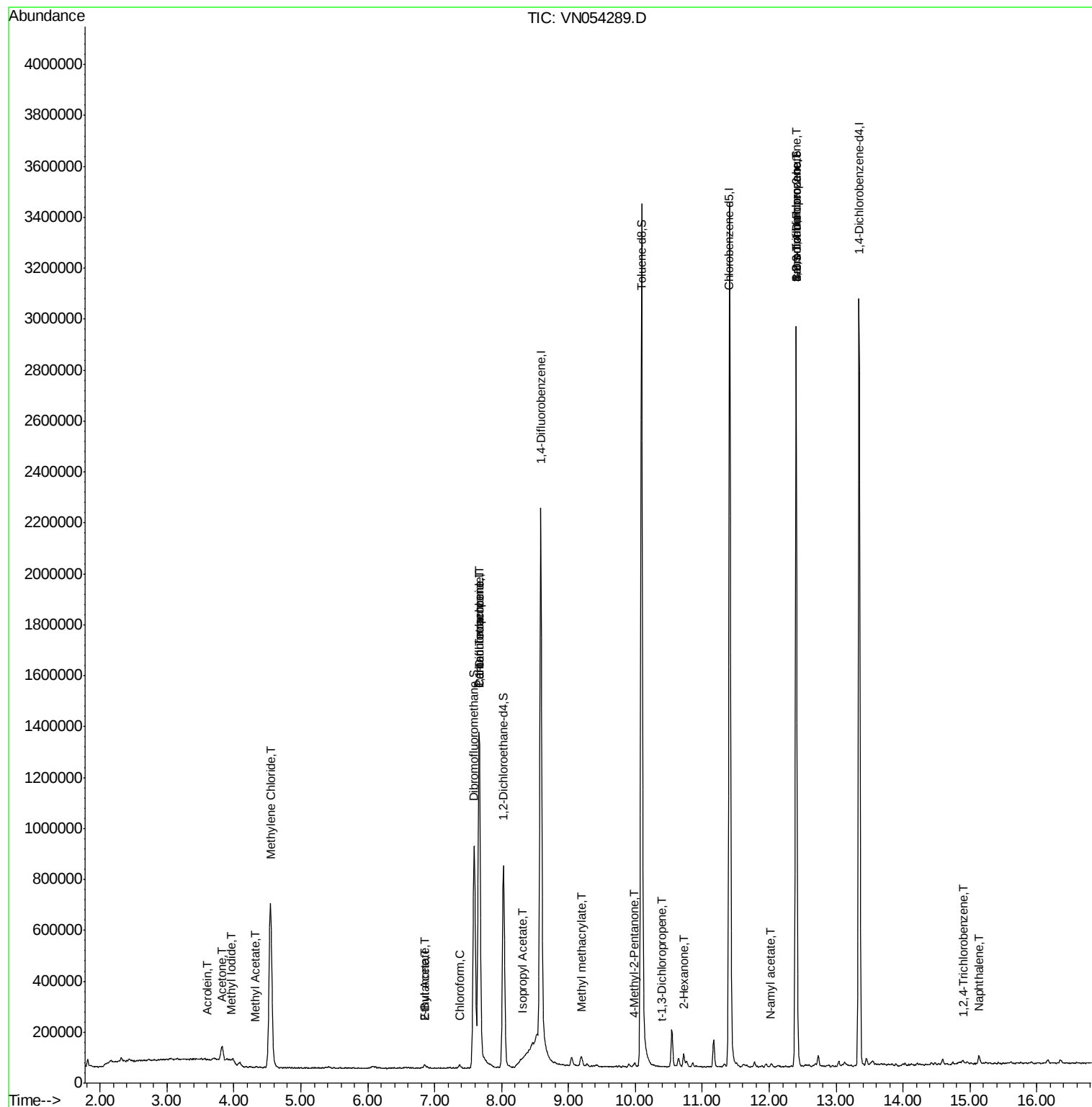
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	204	1.507	ug/l #	60
13) Acrolein	3.61	56	886	0.981	ug/l #	28
16) Acetone	3.82	43	84607	21.262	ug/l	98
18) Methyl Acetate	4.33	43	1915	0.238	ug/l #	1
20) Methylene Chloride	4.55	84	519270	39.741	ug/l	97
25) 2-Butanone	6.85	43	22701	4.861	ug/l	99
30) Chloroform	7.37	83	11891	0.510	ug/l	88
31) Cyclohexane	7.67	56	19917	Below Cal	#	8
36) 1,1-Dichloropropene	7.66	75	75990	3.827	ug/l #	49
37) Ethyl Acetate	6.85	43	22701	1.990	ug/l #	68
38) Carbon Tetrachloride	7.66	117	103684	4.979	ug/l #	16
43) Isopropyl Acetate	8.31	43	51312	2.562	ug/l #	60
48) Methyl methacrylate	9.18	41	19150	1.884	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	12261	1.157	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	112	1.991	ug/l #	21
59) 2-Hexanone	10.72	43	38716	5.490	ug/l #	23
71) Bromoform	12.40	173	5896	2.760	ug/l #	1
74) N-amyl acetate	12.03	43	6842	0.430	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	470111	35.638	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	470111	121.827	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	633	2.548	ug/l #	14
95) Naphthalene	15.13	128	28768	4.150	ug/l	98

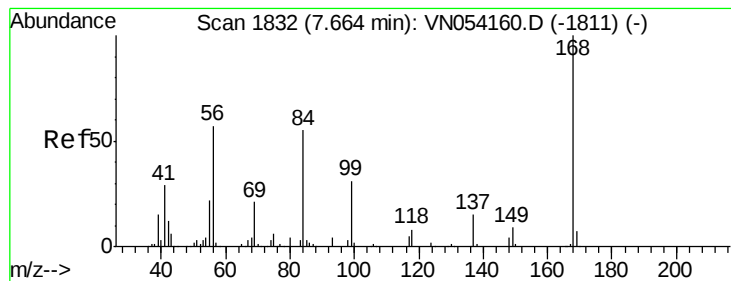
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 07:02:21 2019
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

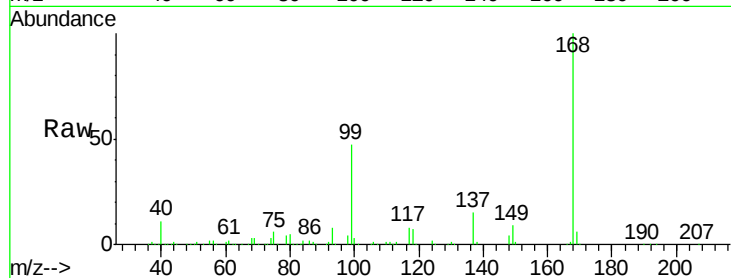
GARAGE-FLOOR

Tot Ion:168 Resp: 1308661

Ion Ratio Lower Upper

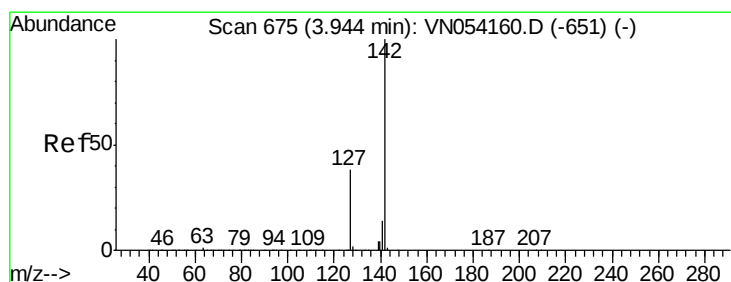
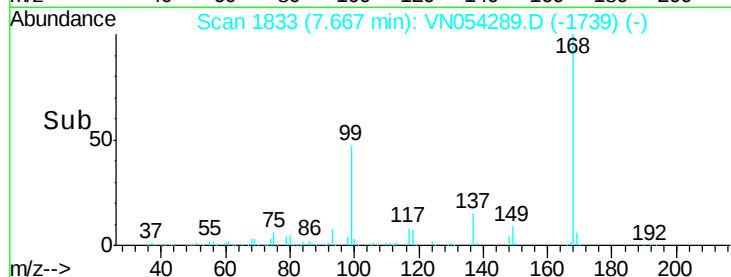
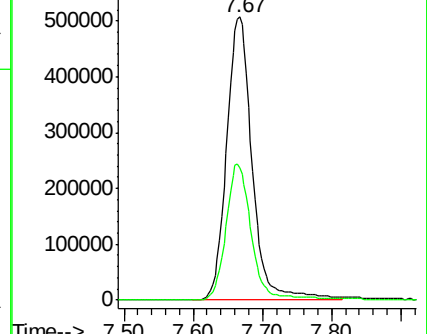
168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.507 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

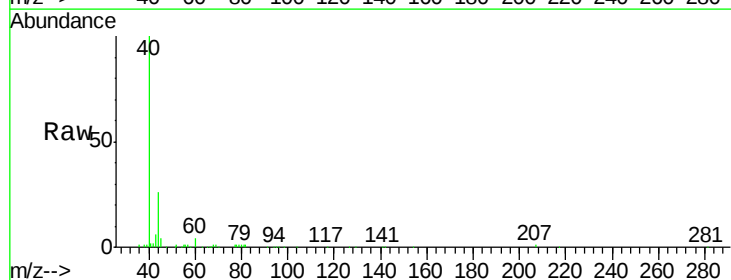
Tgt Ion:142 Resp: 204

Ion Ratio Lower Upper

142 100

127 31.4 30.3 45.5

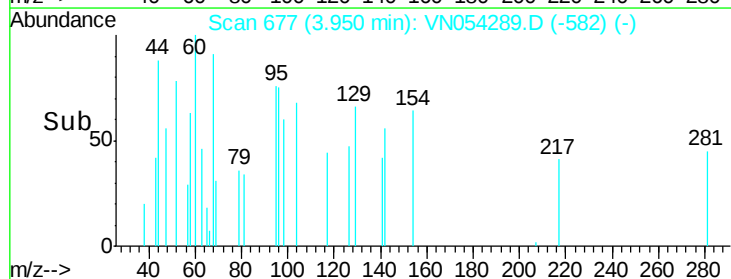
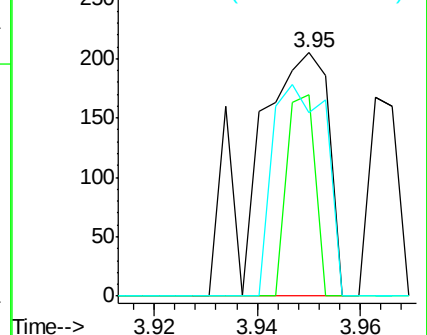
141 62.3 11.2 16.8#

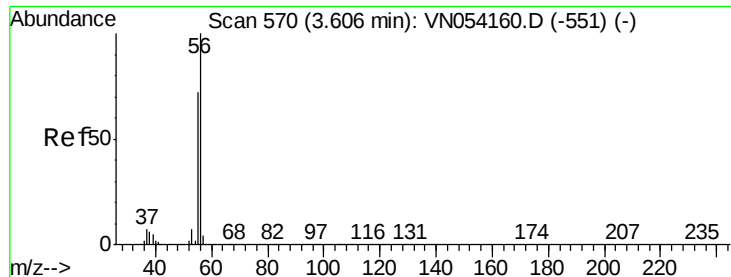


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

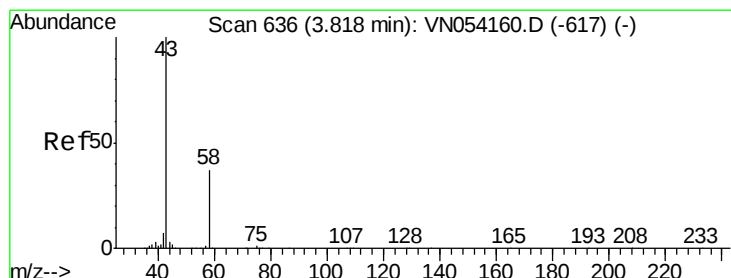
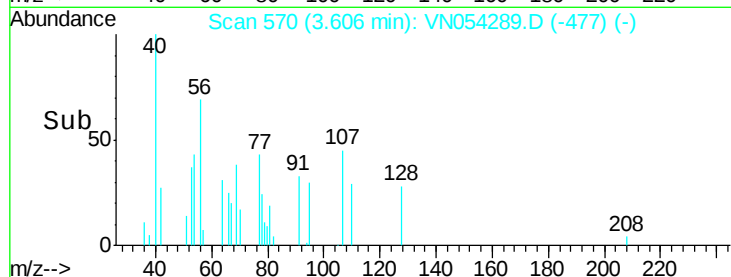
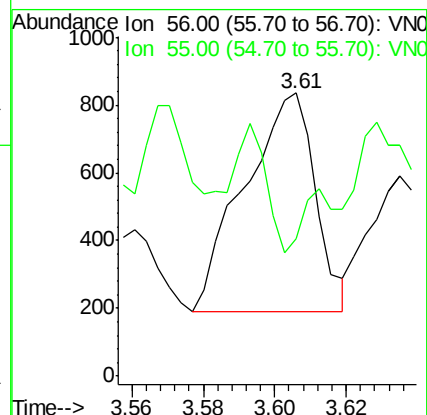
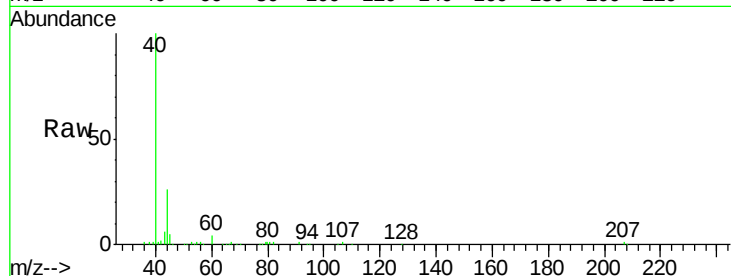




#13
Acrolein
Concen: 0.981 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

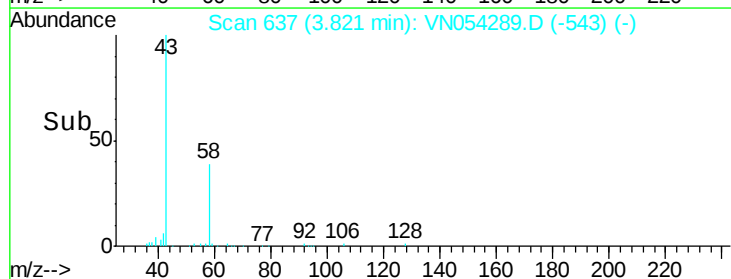
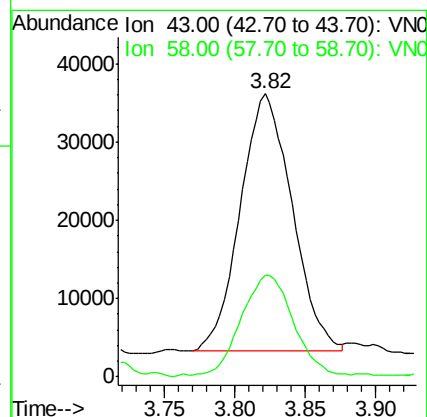
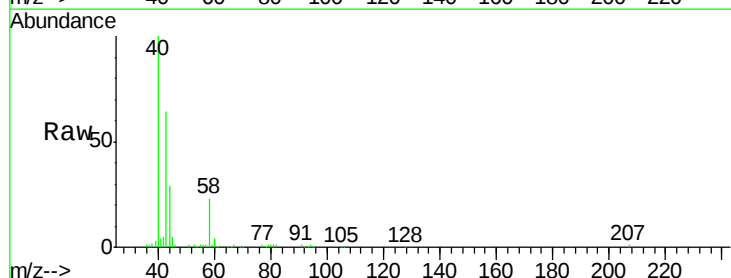
Instrument :
MSVOA_N
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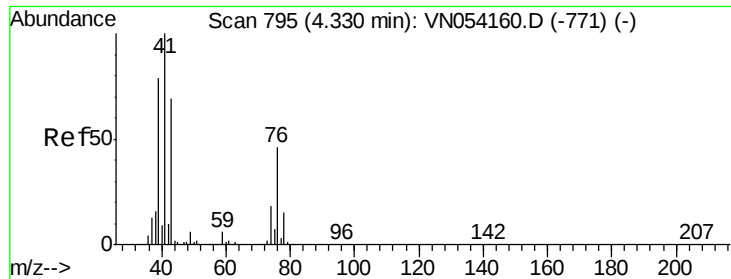
Tot Ion: 56 Resp: 886
Ion Ratio Lower Upper
56 100
55 11.1 56.7 85.1#



#16
Acetone
Concen: 21.262 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 43 Resp: 84607
Ion Ratio Lower Upper
43 100
58 38.7 29.9 44.9

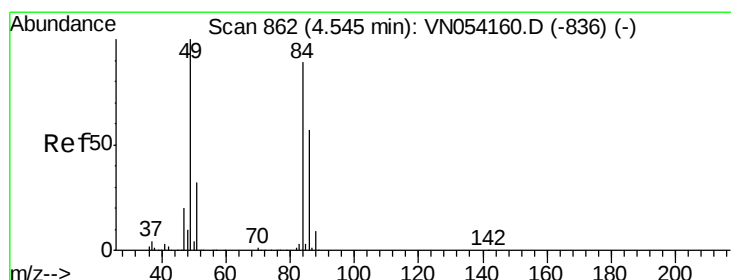
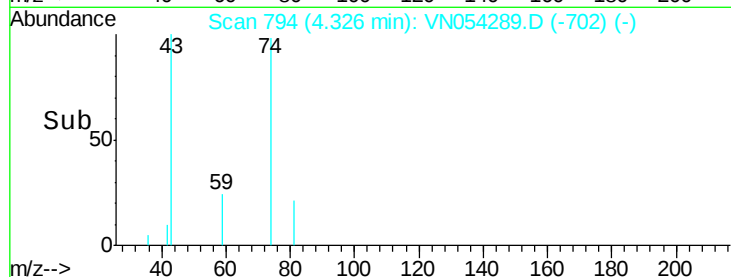
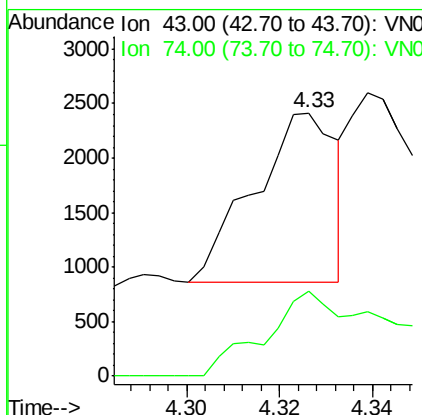
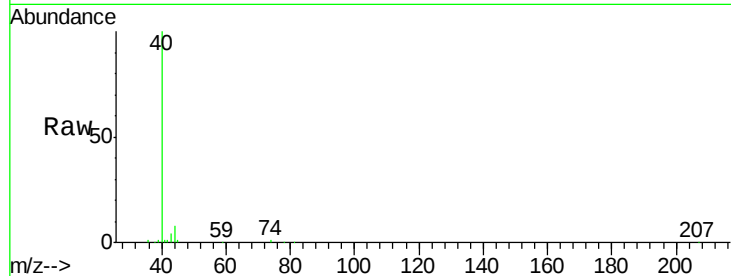




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

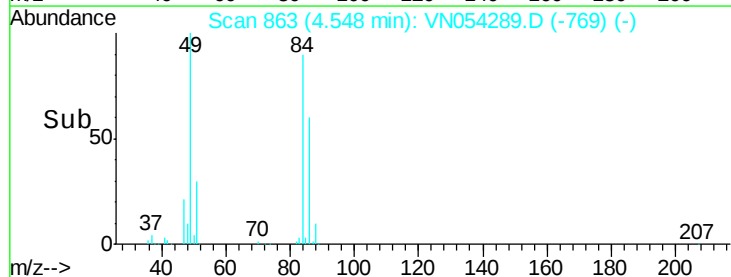
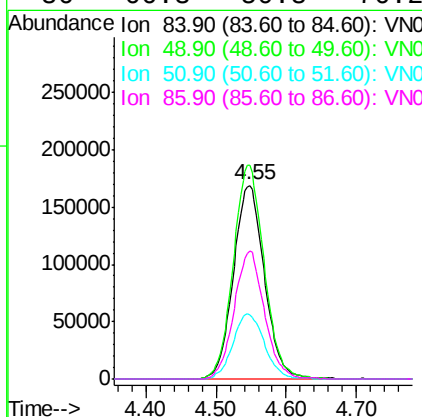
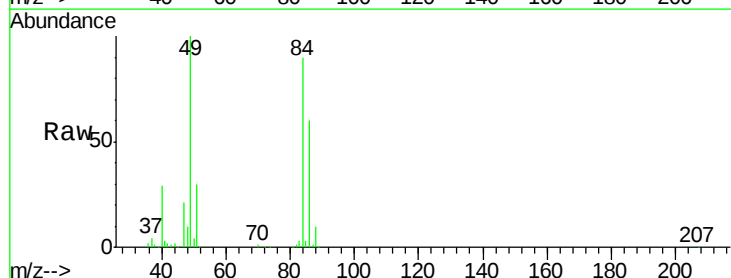
Instrument :
MSVOA_N
ClientSampled :
GARAGE-FLOOR

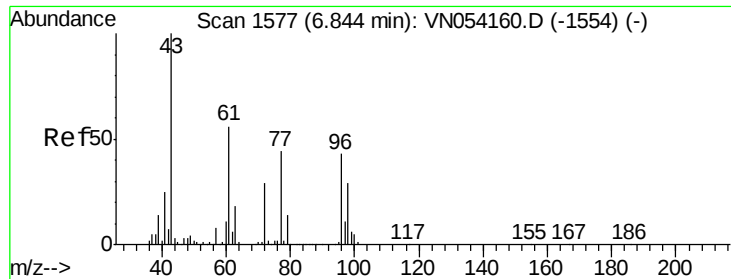
Tot Ion: 43 Resp: 1915
Ion Ratio Lower Upper
43 100
74 83.4 20.8 31.2#



#20
Methylene Chloride
Concen: 39.741 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 84 Resp: 519270
Ion Ratio Lower Upper
84 100
49 110.5 89.7 134.5
51 33.0 28.2 42.4
86 66.3 50.8 76.2

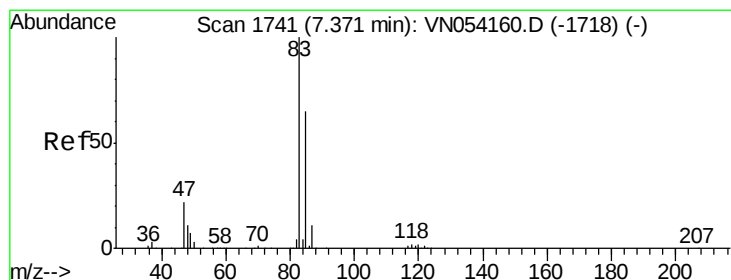
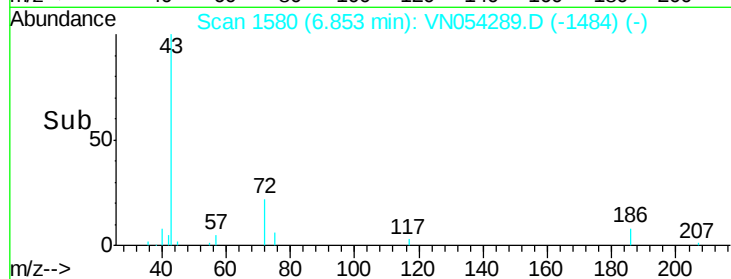
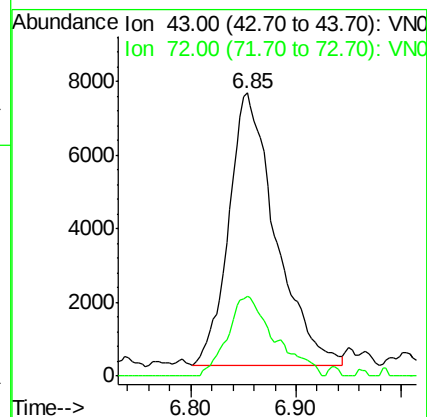
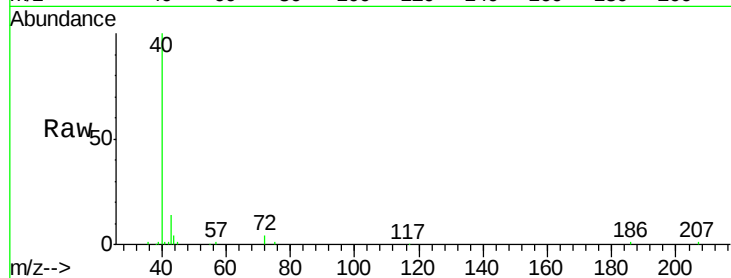




#25
2-Butanone
Concen: 4.861 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

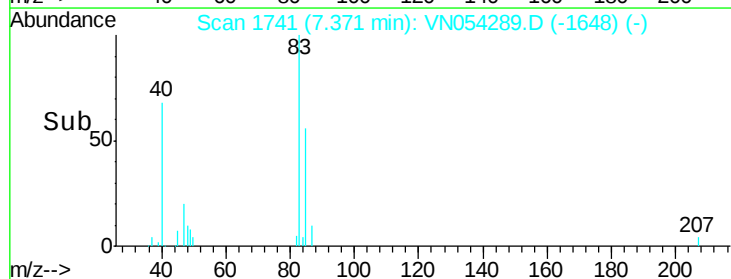
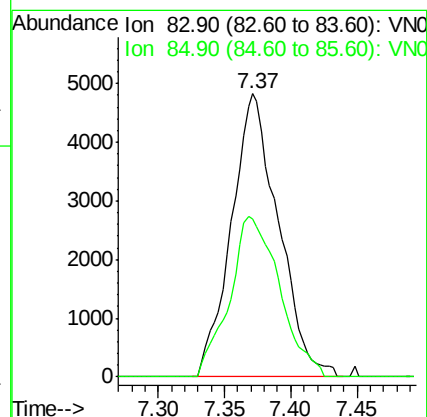
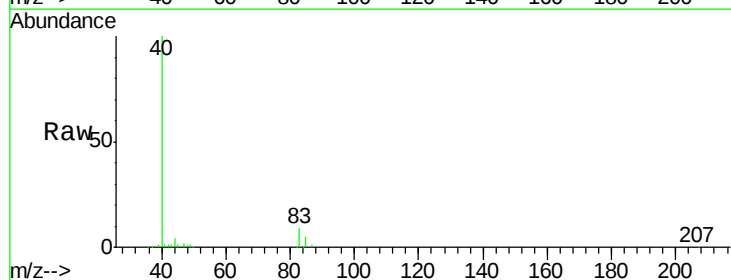
Instrument :
MSVOA_N
ClientSampled :
GARAGE-FLOOR

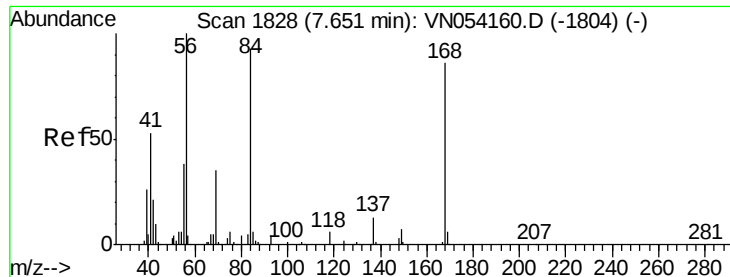
Tot Ion: 43 Resp: 22701
Ion Ratio Lower Upper
43 100
72 29.2 23.0 34.6



#30
Chloroform
Concen: 0.510 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 83 Resp: 11891
Ion Ratio Lower Upper
83 100
85 55.9 52.2 78.4

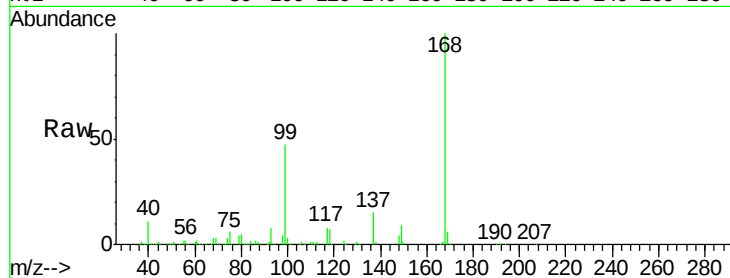




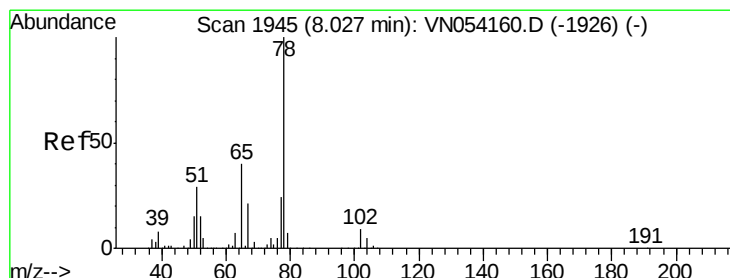
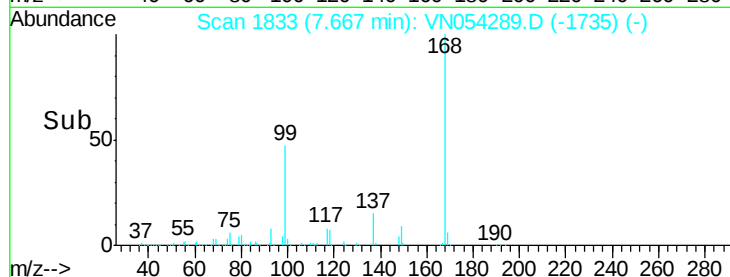
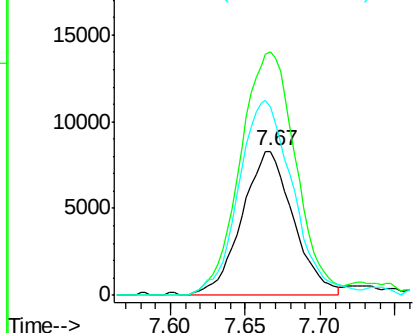
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Instrument :
MSVOA_N
ClientSampled :
GARAGE-FLOOR

Tot Ion: 56 Resp: 19917
Ion Ratio Lower Upper
56 100
69 169.3 27.8 41.6#
84 131.1 74.6 111.8#

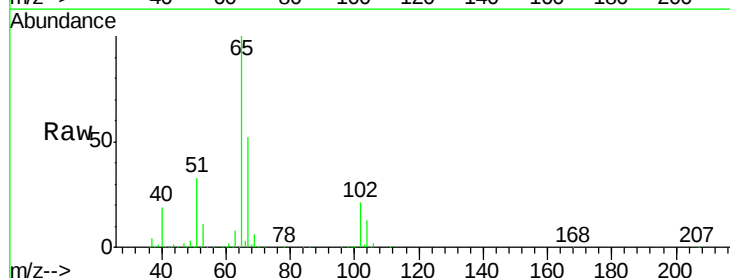


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

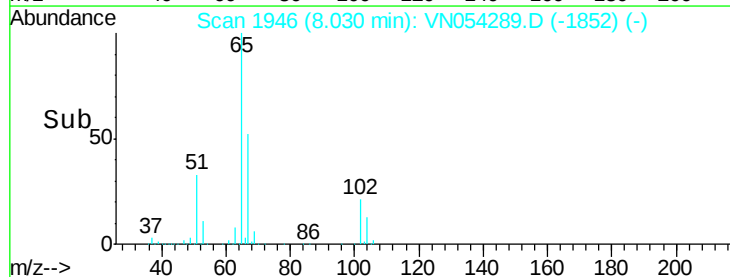
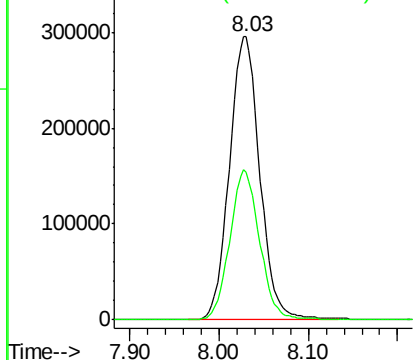


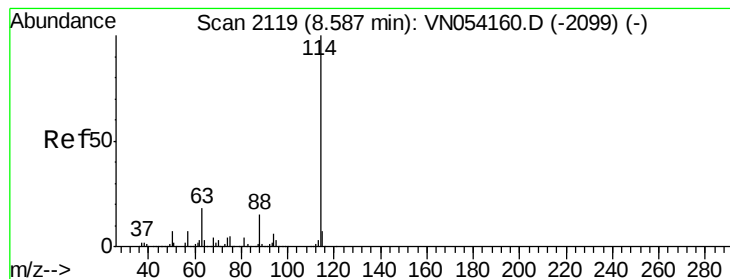
#33
1,2-Dichloroethane-d4
Concen: 50.140 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 65 Resp: 696840
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

GARAGE-FLOOR

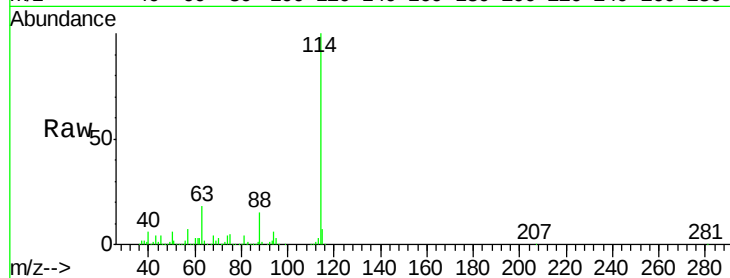
Tot Ion:114 Resp: 2156314

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

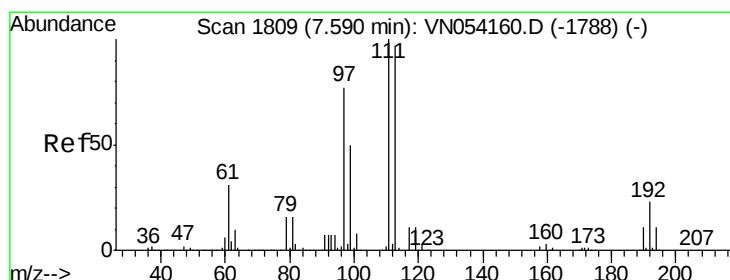
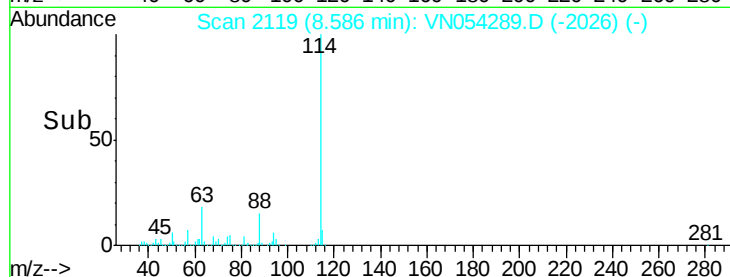
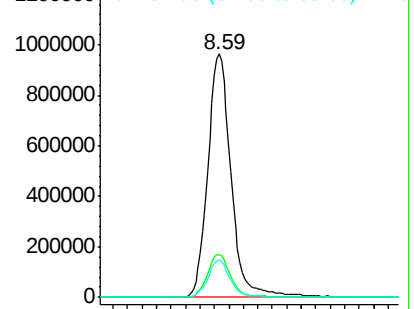
88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 47.433 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

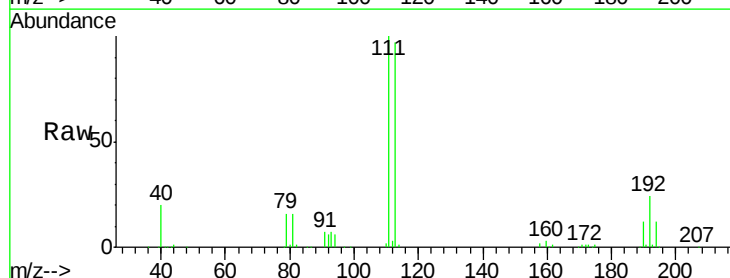
Tgt Ion:113 Resp: 659666

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

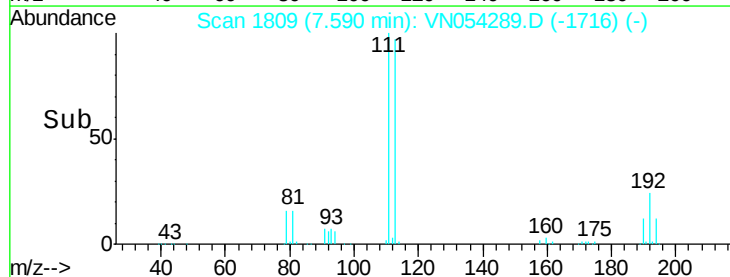
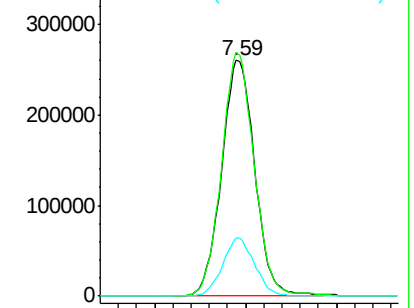
192 23.8 19.2 28.8

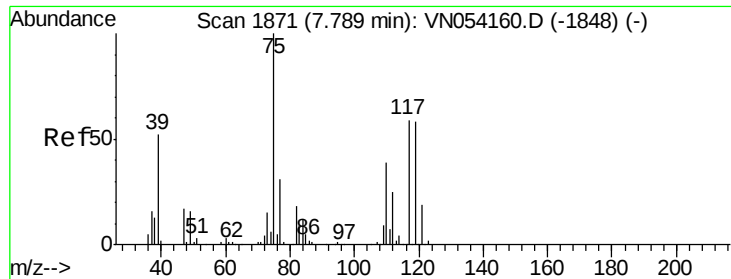


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

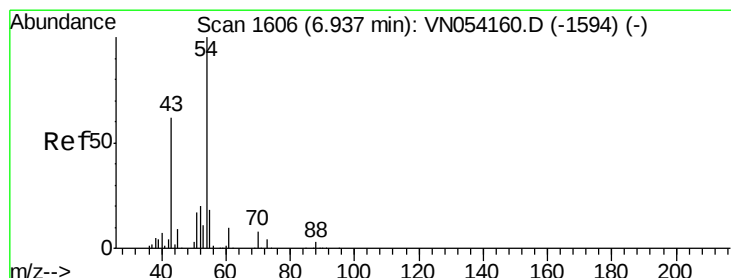
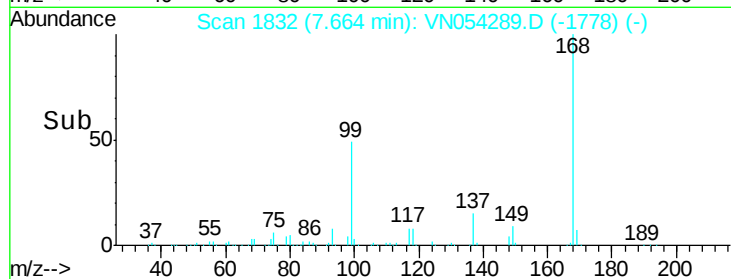
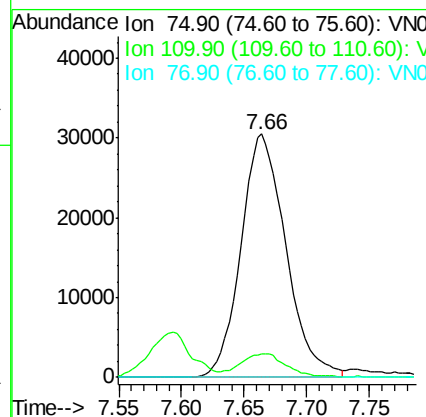
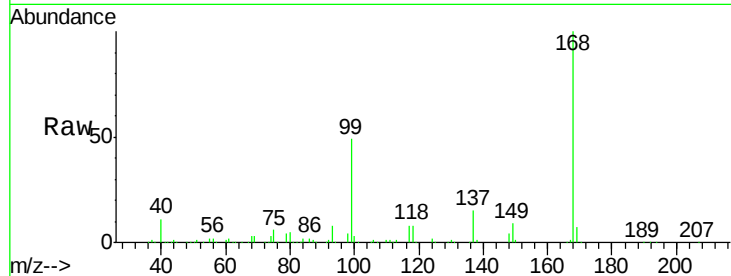




#36
 1,1-Dichloropropene
 Concen: 3.827 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054289.D
 Acq: 15 Mar 2019 4:33

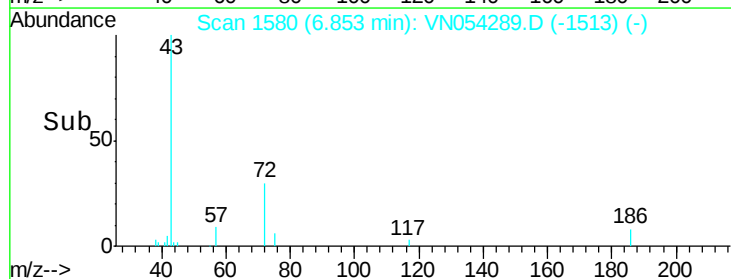
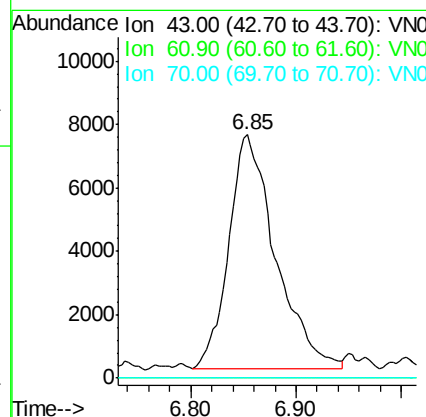
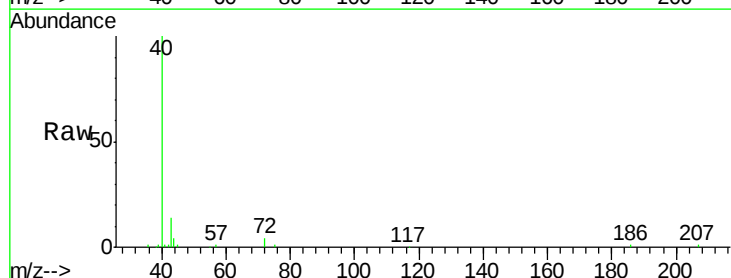
Instrument :
 MSVOA_N
 ClientSampled :
 GARAGE-FLOOR

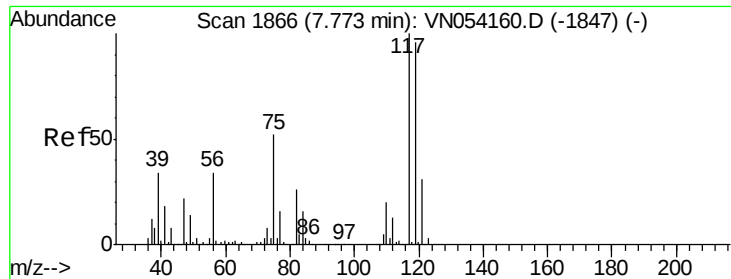
Tot Ion	75	Resp	75990
Ion Ratio	100	Lower	Upper
75	100		
110	9.9	19.1	57.5#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 1.990 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. -0.08 min
 Lab File: VN054289.D
 Acq: 15 Mar 2019 4:33

Tgt Ion	43	Resp	22701
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 4.979 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampled :

GARAGE-FLOOR

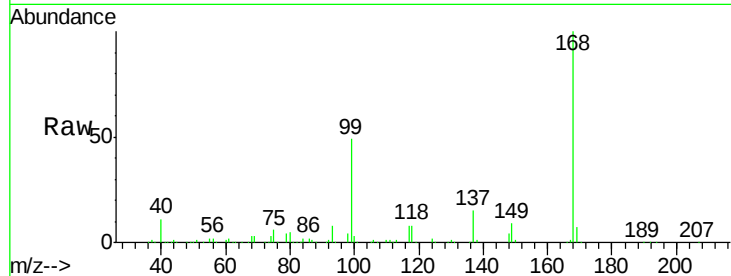
Tot Ion:117 Resp: 103684

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

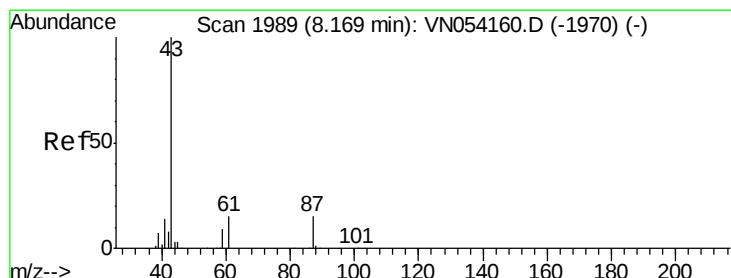
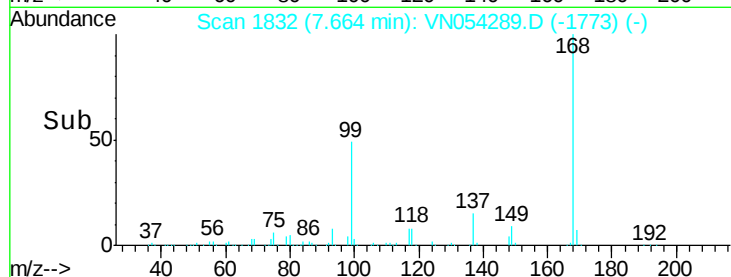
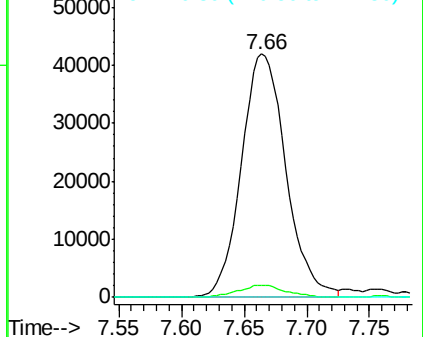
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.562 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.14 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

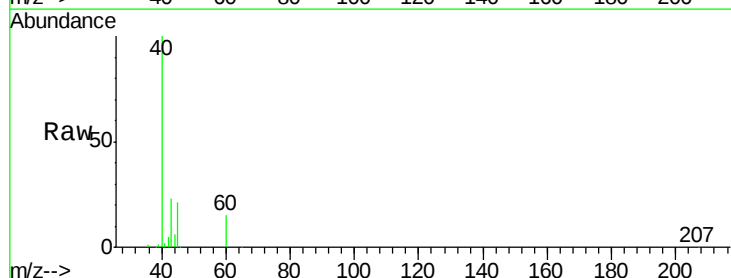
Tgt Ion: 43 Resp: 51312

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

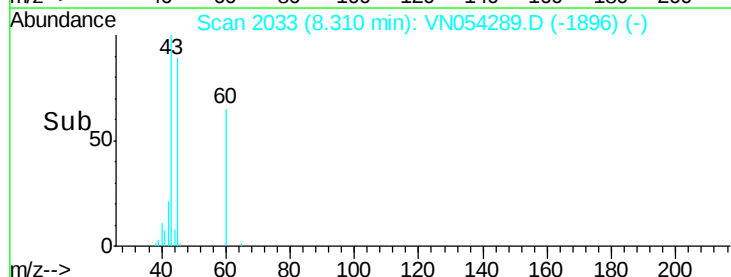
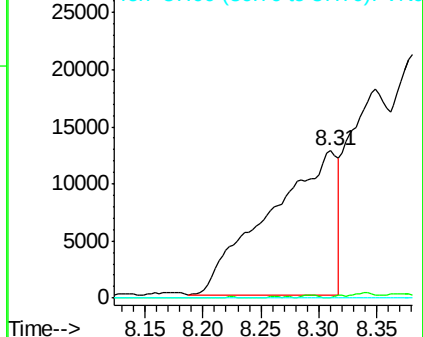
87 0.0 12.0 18.0#

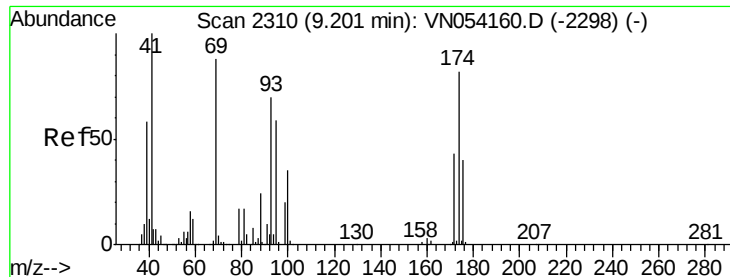


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

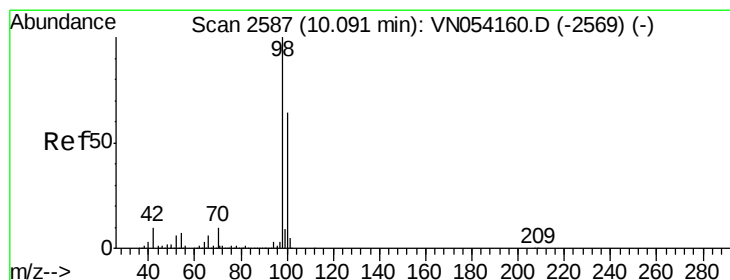
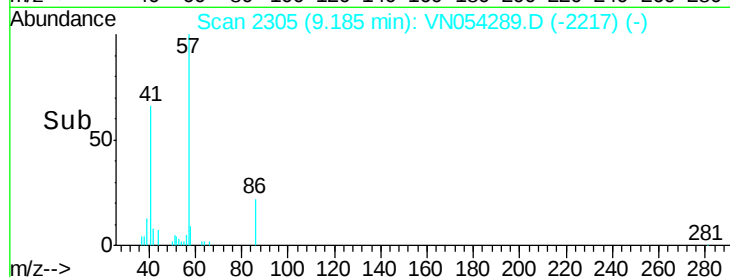
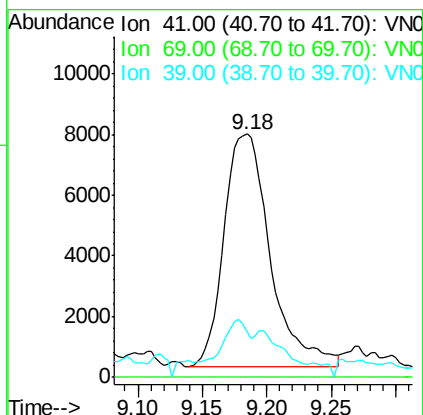
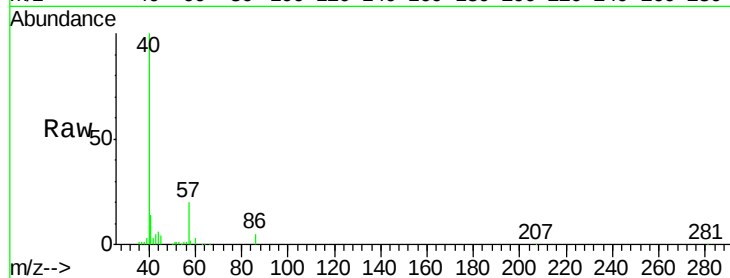




#48
Methvl methacrylate
Concen: 1.884 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

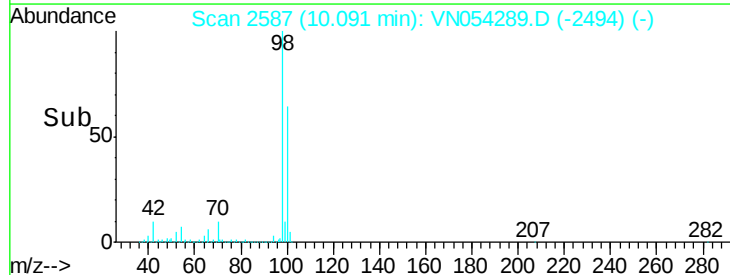
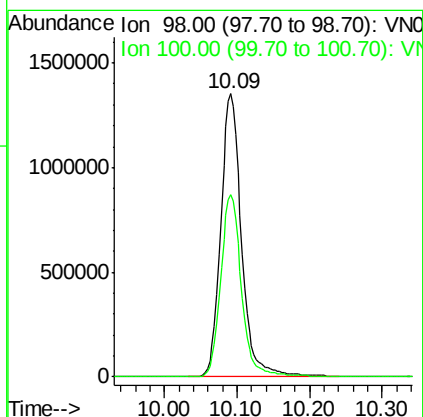
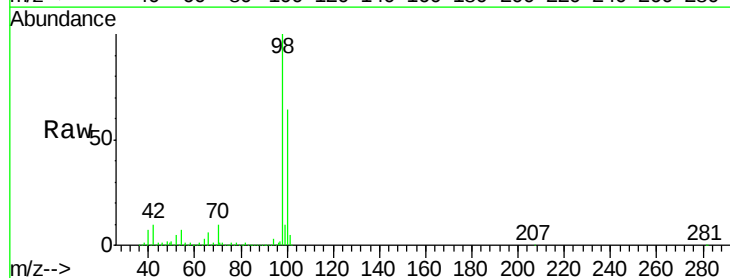
Instrument :
MSVOA_N
ClientSampleId :
GARAGE-FLOOR

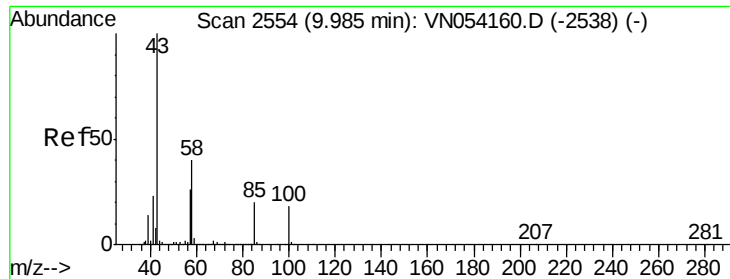
Tot Ion: 41 Resp: 19150
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 8.4 47.5 71.3#



#50
Toluene-d8
Concen: 52.209 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 98 Resp: 2681569
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

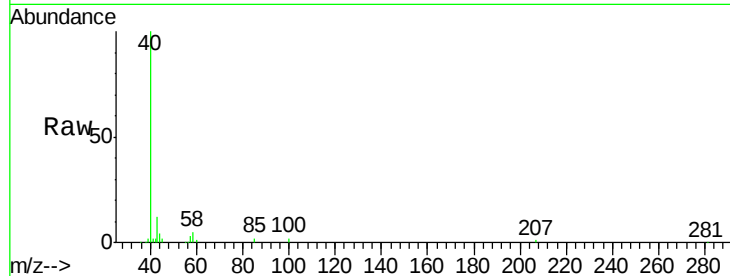
GARAGE-FLOOR

Tot Ion: 43 Resp: 12261

Ion Ratio Lower Upper

43 100

58 40.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

8000

6000

4000

2000

0

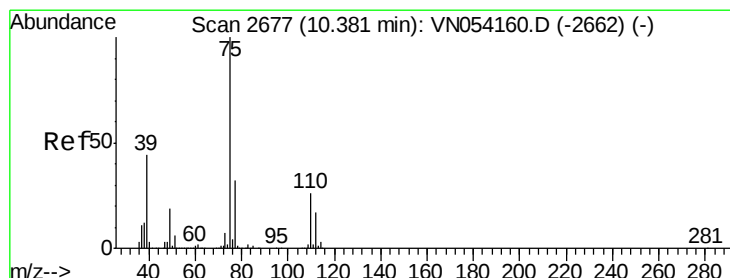
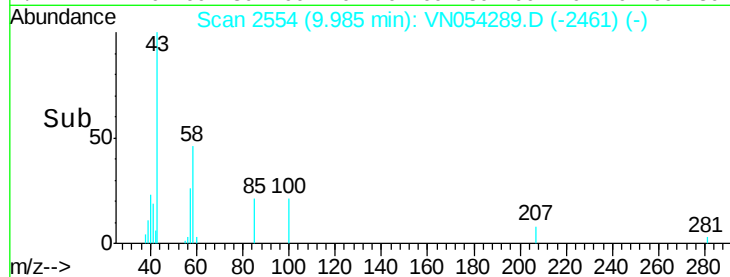
9.95

9.99

10.00

10.05

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.991 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054289.D

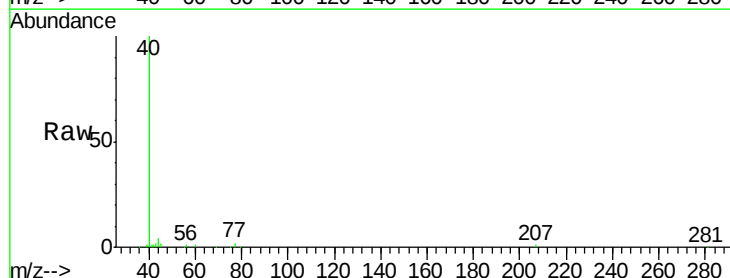
Acq: 15 Mar 2019 4:33

Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

77 76.6 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

1000

500

0

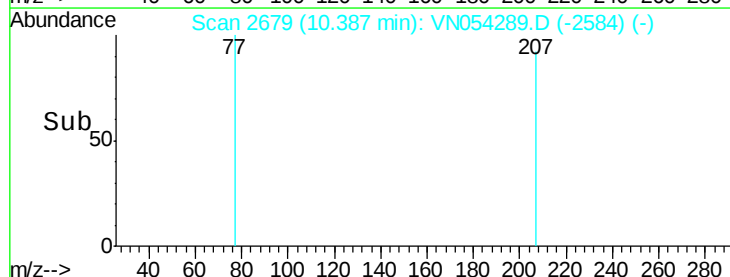
10.37

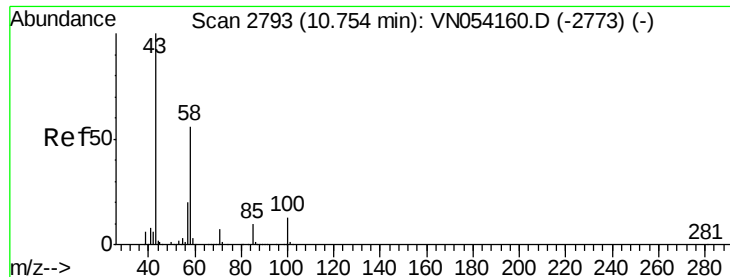
10.38

10.39

10.40

Time-->

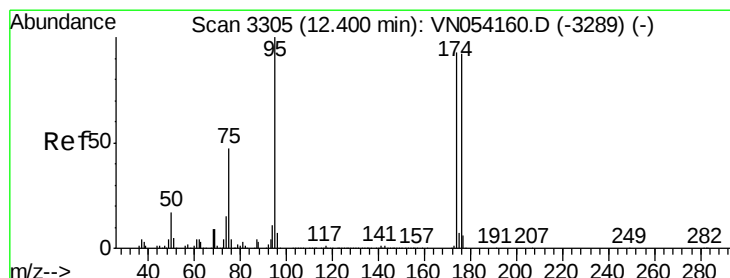
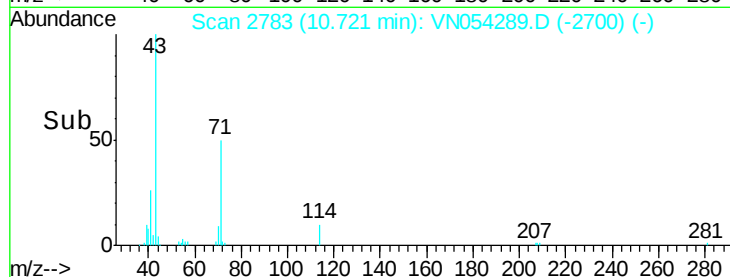
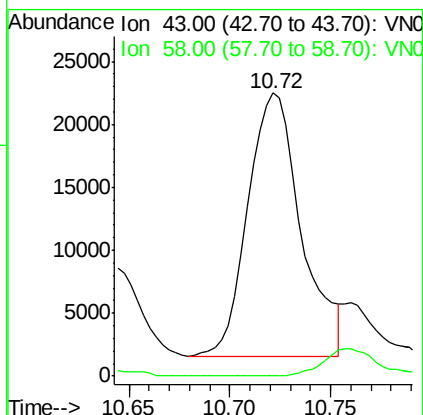
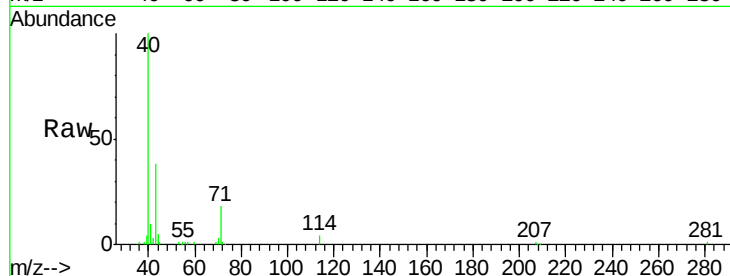




#59
2-Hexanone
Concen: 5.490 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

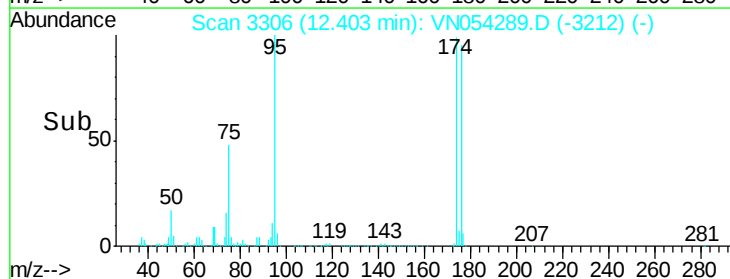
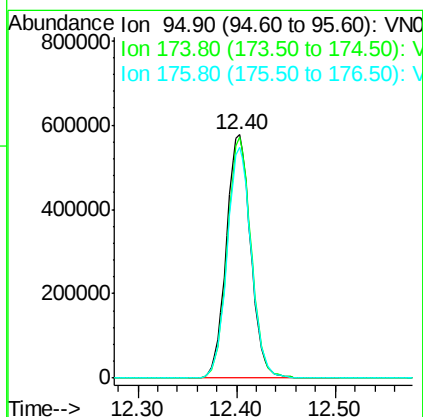
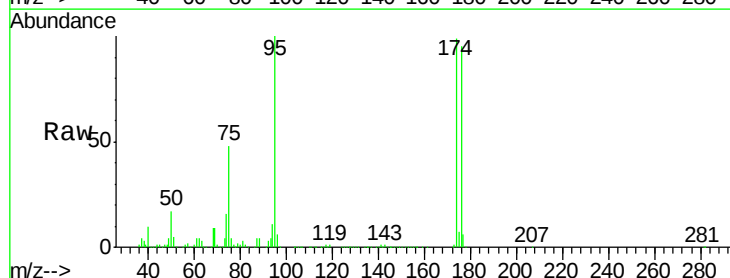
Instrument :
MSVOA_N
ClientSampleId :
GARAGE-FLOOR

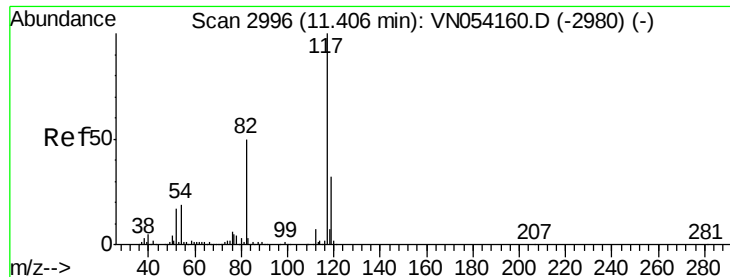
Tot Ion: 43 Resp: 38716
Ion Ratio Lower Upper
43 100
58 0.0 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 55.139 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054289.D
Acq: 15 Mar 2019 4:33

Tgt Ion: 95 Resp: 990937
Ion Ratio Lower Upper
95 100
174 97.2 0.0 191.0
176 94.2 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

GARAGE-FLOOR

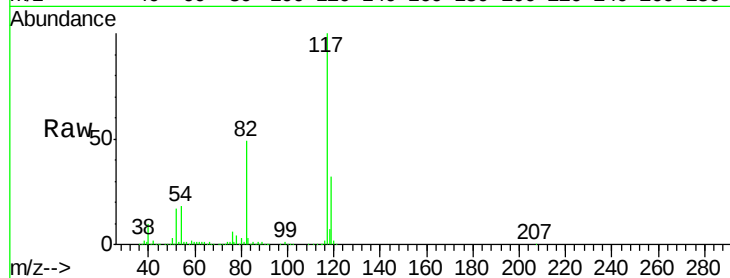
Tot Ion:117 Resp: 2256593

Ion Ratio Lower Upper

117 100

82 49.2 40.0 60.0

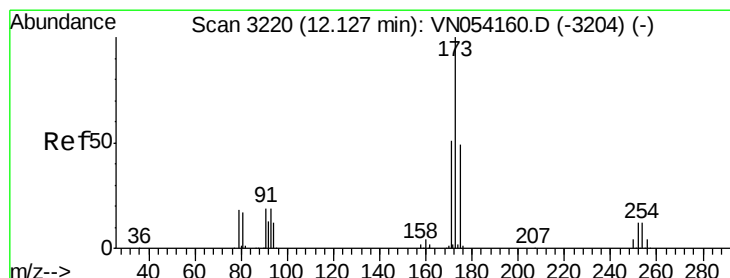
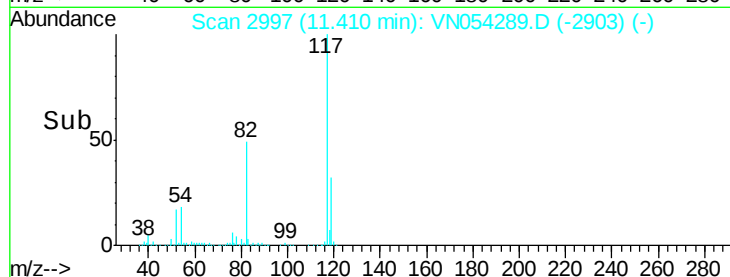
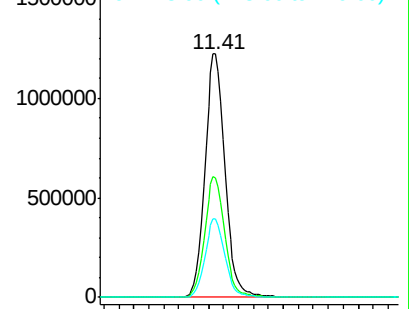
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 2.760 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

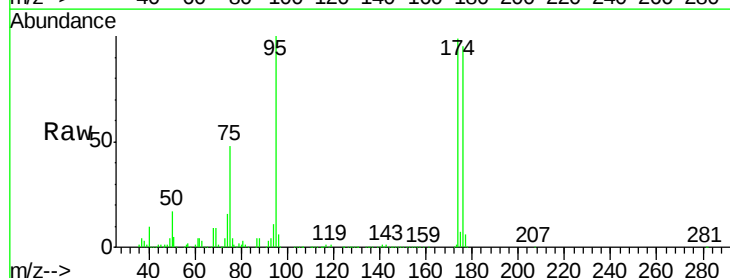
Tgt Ion:173 Resp: 5896

Ion Ratio Lower Upper

173 100

175 1004.1 24.4 73.2#

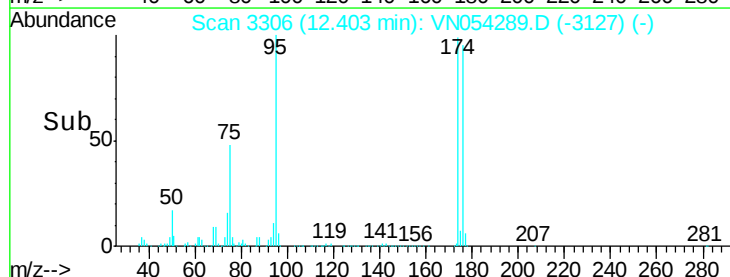
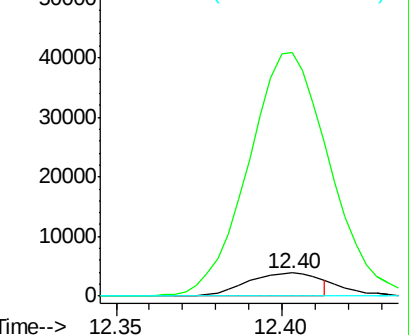
254 0.0 0.1 0.1#

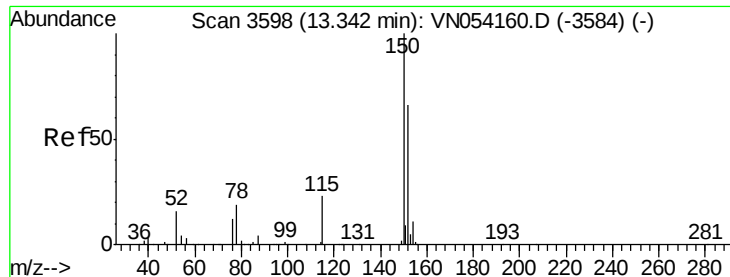


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

GARAGE-FLOOR

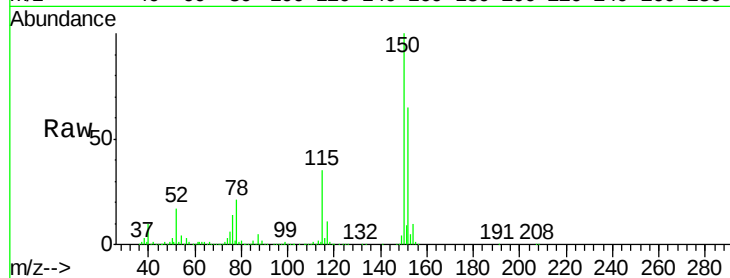
Tot Ion:152 Resp: 897029

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

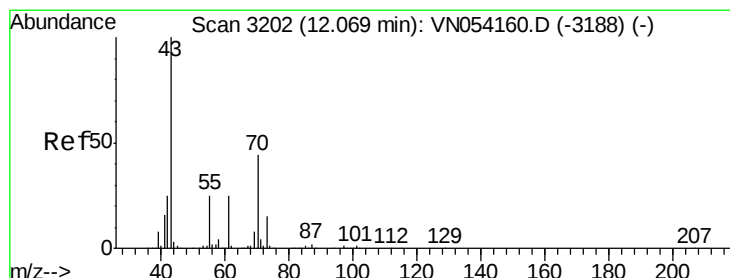
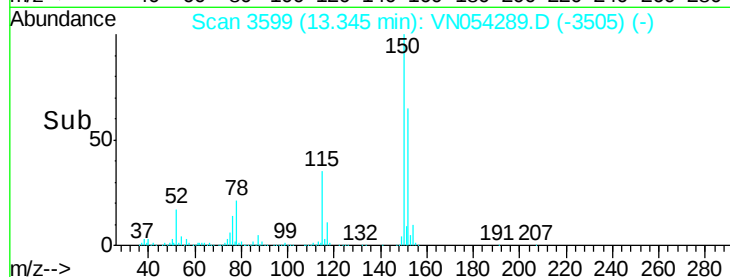
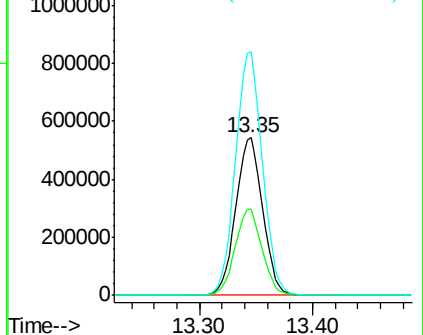
150 155.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.430 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Tgt Ion: 43 Resp: 6842

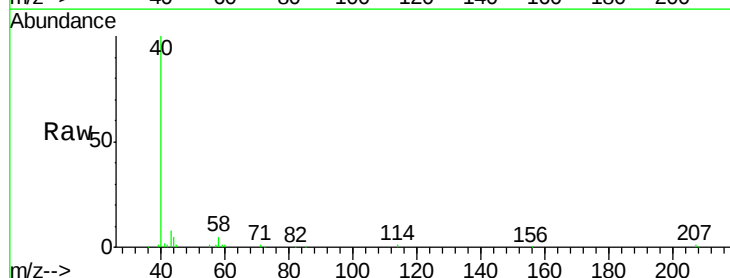
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.0#

55 10.2 19.8 29.6#

61 0.0 19.8 29.6#

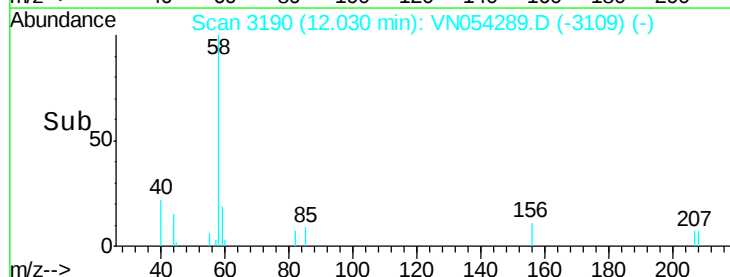
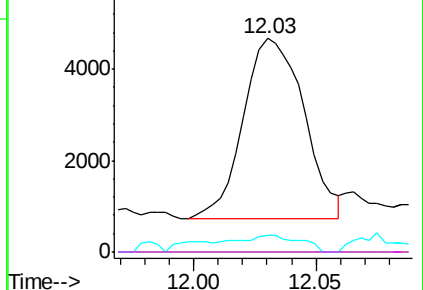


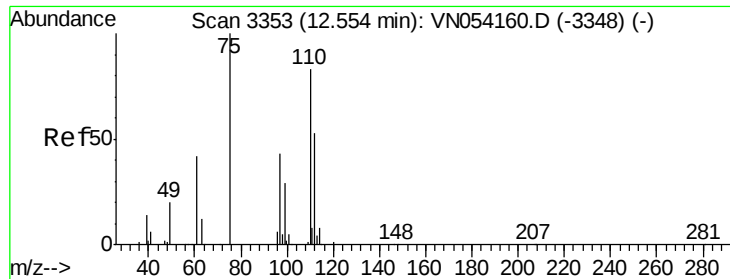
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.638 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

Instrument :

MSVOA_N

ClientSampleId :

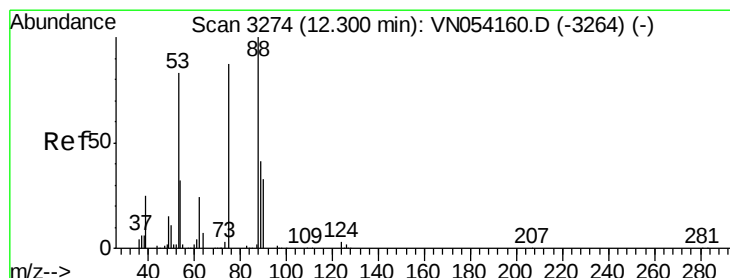
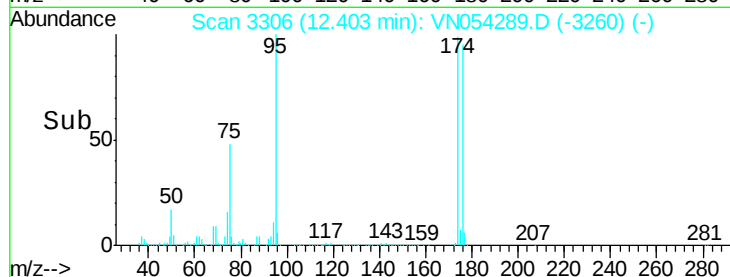
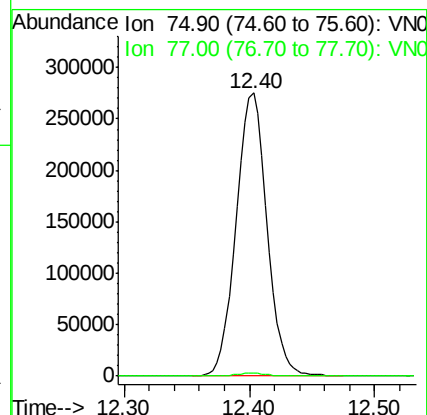
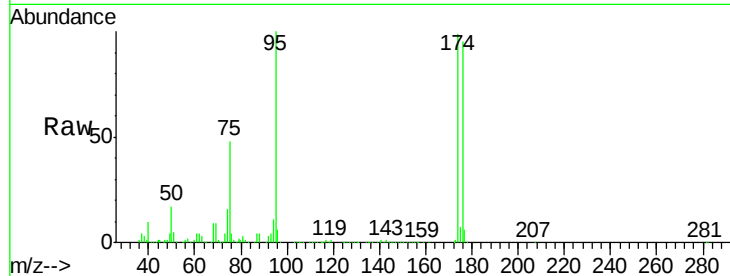
GARAGE-FLOOR

Tot Ion: 75 Resp: 470111

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.827 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054289.D

Acq: 15 Mar 2019 4:33

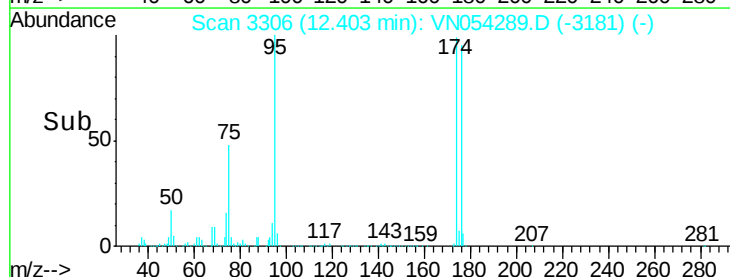
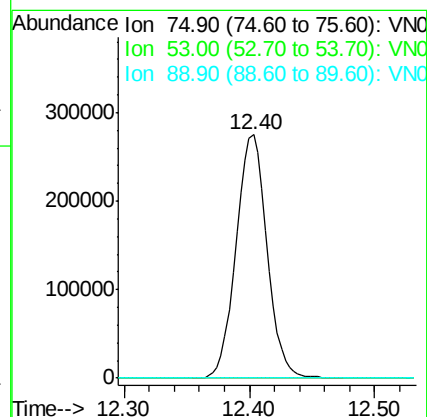
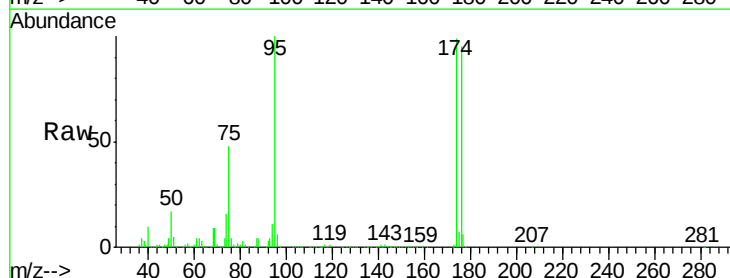
Tgt Ion: 75 Resp: 470111

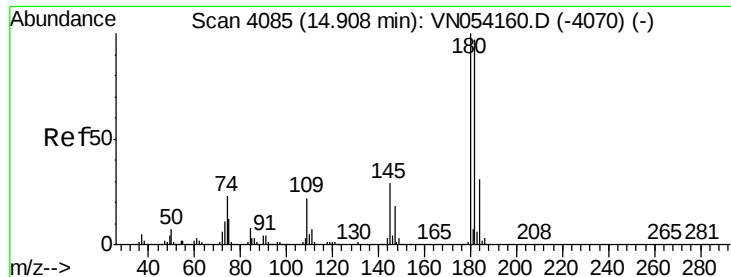
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

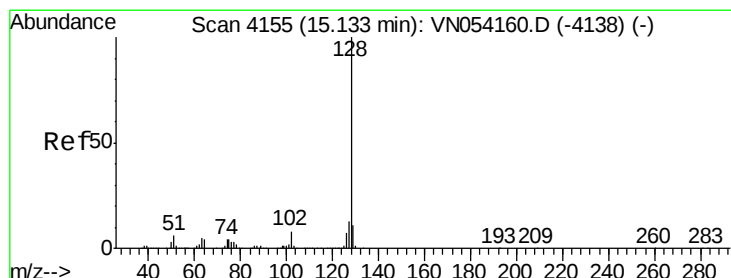
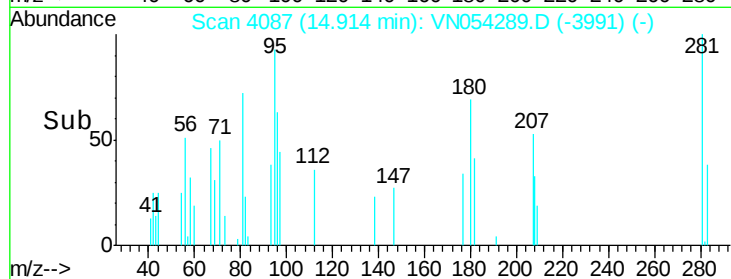
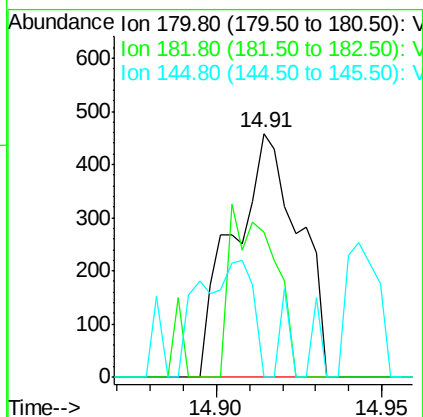
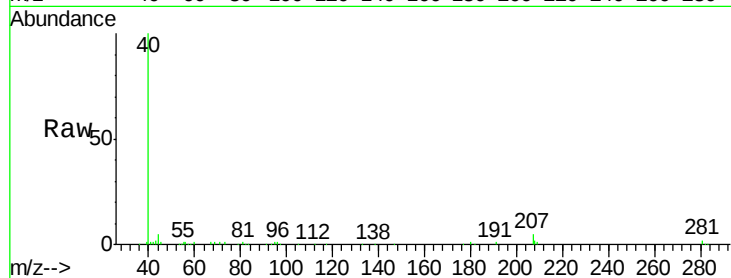




#93
 1,2,4-Trichlorobenzene
 Concen: 2.548 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054289.D
 Acq: 15 Mar 2019 4:33

Instrument :
 MSVOA_N
 ClientSampled :
 GARAGE-FLOOR

Tot Ion:180 Resp: 633
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.2#
 145 5.1 14.2 42.8#



#95
 Naphthalene
 Concen: 4.150 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054289.D
 Acq: 15 Mar 2019 4:33

Tgt Ion:128 Resp: 28768
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.1 15.1
 129 11.2 8.7 13.1

